

ACCELERATOR & FUSION RESEARCH DIVISION

November 6, 2000

Professor. Frederick J. Gilman, Chairman
High Energy Physics Advisory Panel
Department of Physics
Carnegie-Mellon University
Pittsburgh, PA 15213

Dear Prof. ^{Fred}~~Gilman~~:

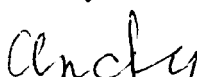
We are writing to ask for your help, as Chairman of HEPAP, in restoring the FY01 budget for the Neutrino Factory and Muon Collider Collaboration (MC) to its original (constant-dollar) level in the President's Budget, namely \$4.685M. As you know from the recent presentation by John O'Fallon at the October 30 HEPAP meeting, DOE has elected to drastically reduce the funding for muon-related R&D from \$8.6M last year to \$5.3M this year—a decrease of nearly 40%.


Our understanding of the goals of the HEP community has been that both NLC and muon R&D should be pursued vigorously so that informed decisions could be made in a timely way. We were therefore surprised and disappointed to see no reaction from HEPAP to this cut in the muon program, especially when the overall budget news was not that bleak. We believe that both the Neutrino Factory and the NLC R&D efforts should be funded so that they can be ready when the country is ready to move on them. The present reduction does not permit this for the Neutrino Factory. Even if the NLC is considered the first priority of the community, it does not seem prudent to have no fallback option in case, for whatever reason, it fails to get approved.

As we noted in the attached letter to Peter Rosen, the reduced funding has a severe impact on the MC program. R&D to demonstrate the feasibility of a Neutrino Factory, such as the target work at BNL, and the cooling work at Fermilab and LBNL, will be greatly slowed down. The MC will be unable to maintain the schedule presented to your White Paper Writing Group in July, namely, to start a ZDR in three years and a CDR in five years.

It goes without saying that this very negative funding outcome affects the morale of both the active members of the Collaboration and the HEP community at large. Such a reduction coming at the very time we are attempting to secure significant funds from NSF to augment the MC R&D program is also harmful. A clear lack of enthusiasm from HEPAP to support muon-related R&D will hardly be taken by the NSF as a sign of encouragement to invest in this program.

Sincerely,


Andrew M. Sessler
MC Spokesperson


Michael S. Zisman
MC Project Manager

Attachment: Letter to Dr. S. Peter Rosen dated October 10, 2000

c: Dr. Stephen Holmes (MCOG)
Dr. Thomas Kirk (MCOG)
Dr. Piermaria Oddone (MCOG)

Dr. Robert Palmer (MC Associate Spokesperson)
Dr. Alvin Tollestrup (MC Associate Spokesperson)

Dr. S. Peter Rosen (DOE-HENP)
Dr. John O'Fallon (DOE-HEP)
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